

5000xp



The Thermal-Eye 5000xp is a high-performance pan/tilt thermal imaging camera for mobile applications in the maritime, search and rescue and security markets. The 5000xp is an upgrade from the popular Thermal-Eye 4000M and now features 320 x 240 resolution.



Selected #1 in image quality in recent independent surveys.

SEARCH & RESCUE

MARINE/BOATING

SECURITY

LAW ENFORCEMENT

ROUTINE NIGHTTIME PATROLS

NIGHTTIME NAVIGATION

BENEFITS:

- Improved 320 x 240 resolution gives users better image clarity and sharpness
- Provides 360° pan/tilt capability to monitor surrounding environment
- Enables safe night marine navigation
- Observes suspicious activity from the safety of a vehicle or boat
- Monitors full perimeter in darkness, rain, smoke, dust and haze over long distances
- Spots search & rescue targets or safety hazards in complete darkness
- Detects human activity up to 1500 feet (457 meters) away

FEATURES:

- Complete immunity to damage from direct and/or reflected solar radiation
- "Gold-Standard" BST image quality with clear 320 x 240 resolution
- Rugged, weather-resistant pan/tilt housing
- Enhanced 24° x 18° FOV, f/1.0 lens
- Joystick controlled 360° continuous pan, -20° /+180° tilt
- Easily roof-mounted on any vehicle or marine craft
- Video-out for remote monitor or VCR



Water rescue



Routine patrol



Motorcycle theft

American Technologies Network Corp.
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5000xp TECHNICAL SPECIFICATIONS:

FEATURES		THERMAL-EYE 5000xp
INFRARED FOCAL PLANE ARRAY	TYPE & MATERIAL	Uncooled Ferroelectric, Barium Strontium Titanate (BST)
	RESOLUTION/PITCH	320 x 240 / 48.5µm
	SPECTRAL RESPONSE	7-14µm
	WINDOW TYPE	Silicon with durable hard carbon exterior coating
THERMAL IMAGING PERFORMANCE	START-UP TIME	~ 45 seconds
	BRIGHTNESS/CONTRAST	Fully Automatic
	RANGE TO DETECT HUMAN ACTIVITY	Man-sized target at 1500ft (457m) depending on object size and contrast
OPTICS	FIELD OF VIEW (Aperture)	24° x 18° (f/1.0)
	MINIMUM FOCUS DISTANCE	~ 25ft (8m)
	FOCUS METHOD	Fixed (Compensated automatically for temperature variations)
PHYSICAL	SIZE & WEIGHT	11.1"L x 11"W x 11.4"H (282 x 280 x 290mm) 10lbs (4.5kg)
INFRARED VIDEO	OUTPUT FORMAT	NTSC Compatible
	IR POLARITY	White Hot
POWER	INPUT VOLTAGE	9.5 to 16VDC
ENVIRONMENTAL CHARACTERISTICS	OPERATING TEMPERATURE	-38°C to +75°C
	WATER RESISTANCE	IEC level IPX6 (Not submersible)
	EMI/EMC	FCC Part 15 Compliant & CE mark
PAN & TILT FUNCTION	FIELD-OF-REGARD	Pan/Joystick Controller, 360° continuous — Tilt/Joystick Controlled -20° to +180°
	PAN SPEED/CONTROL	36° per second (max)/Single-speed control
OPTIONAL ACCESSORIES	VEHICLE ROOF MOUNTING BAR: • Available in Black or White	
	RISER KIT: • 1 each riser kit required for vehicle mount with roof bar (Strap kits not available from L-3)	
	LCD MONITOR KIT: • Sold separately from camera kit – Includes 5.6in (14.22cm) flat panel LCD display with shroud, swivel mount, BNC/RCA adapters	
	DUAL REMOTE KIT: • Includes dual handcontroller, 25ft (7.62m) cable and instructions (Allows control of pan & tilt from two different locations)	
	EXTENSION CABLES: • Handcontroller Extension Cable – 25ft (7.62m) • System Extension Cable – 25ft (7.62m)	
	EXTENSION ADAPTERS: • Handcontroller Extension Cable Adapter – To mate handcontroller extension cable to handcontroller cable • System Extension Cable Adapter – To mate system extension cable to system cable	
	LONG CABLES: • Handcontroller 100ft (30.5m) Cable – Longer cable for remote installation • System 100ft (30.5m) Cable – Longer cable for remote installation	
ORDERING INFORMATION	5000xp KIT – Thermal Camera, Pan/Tilt Housing, Joystick Handcontroller, Electronics Box, Cable Set, Mounting Ring, Installation Hardware, Manual, One Year Parts/Labor Warranty, Color is Black.	1000325-0001
	VEHICLE ROOF MOUNTING BAR – White	3264568-0001*
	VEHICLE ROOF MOUNTING BAR – Black	3264568-0002*
	RISER MOUNTING KIT (set of 2)	RMKEZ29
	LCD MONITOR KIT	3197573-0004
	DUAL REMOTE KIT	1000340-0001
	DUAL REMOTE CABLE – 25ft (7.62m)	4973513-0001
	HANDCONTROLLER EXTENSION CABLE – 25ft (7.62m)	3264509-0001
	SYSTEM EXTENSION CABLE – 25ft (7.62m)	3264506-0001
	HANDCONTROLLER EXTENSION CABLE ADAPTER	3264554-0001
	SYSTEM EXTENSION CABLE ADAPTER	3264554-0002
	LONG HANDCONTROLLER CABLE – 100ft (30.5m)	4973511-0002
LONG SYSTEM CABLE – 100ft (30.5m)	4973512-0002	

Specifications subject to change without notice

* Contact Customer Service to order the correct vehicle mounting kit.

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This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.

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